Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

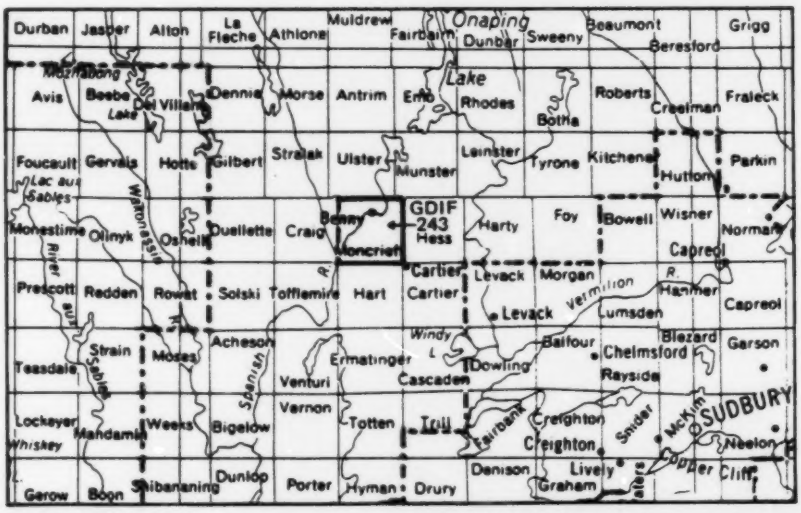
Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO
GDIF 243

MONCRIEFF TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/13, 41 I/12

Mining Claim Map Number M 869

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Moncrieff Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 243, compiled by the staff of the Resident Geologist's Office, Sudbury, 20p. and 2 maps.

Original Compilation by: Lacey, J. Kerry

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3,4
Type of Work 5,6
Drill Hole Summary 7,8
Airborne Geophysical Survey Data 9
Geochemical Survey Data 10
Miscellaneous Data 11
Newspaper Clipping File 12
ODM General Index Search 13-15
Selected References 16-19
Notes and Addenda 20

ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0 028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	K.L.
2	Assessment Files Research Office, Toronto	N.A.	K.L.
3	ODM General Index; 9 Volumes	Yes	K.L.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	K.L.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	K.L.
6	ODM Industrial Mineral Reports	No	K.L.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	K.L.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	K.L.
9	Newspaper Clippings File	Yes	K.L.
10	GSC Index to Publications	Yes	K.L.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	K.L.
12	OGS Index Maps	Yes	K.L.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	K.L.
14	Author - Subject Articles File	Yes	K.L.
15	Miscellaneous Papers: ODM & OGS	Yes	K.L.
16	ODM Geological Circulars: OGS Study Series , Reports	Yes	K.L.
17	ODM Preliminary Reports: ODM Bulletins	Yes	K.L.
18	ODM – OGS Open File Reports	Yes	K.L.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	K.L.
20	OGS Aggregate Resources Inventory Papers	No	K.L.
21	OGS Mineral Potential Maps	Yes	K.L.
22	Theses on File, Sudbury	Yes	K.L.
23	Aerial Photographs on file, Sudbury	Yes	K.L.

METALS AND MINERALS REFERENCES LIST

- △ anh . . . . . Anhydrite
- △ ank . . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- ▲ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- ▲ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- ▲ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- ▲ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr . . . . . Zircon
- ▲ S . . . . . Sulphides

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Marion Lake	py,cp,sp	Cu 2	-	G.S.C., Summary Report, Pt.D., 1920, p.7-18
B	Simon Obonsoing's Mine	Au	Au 1	-	G.S.C., Ann. Rept., Vol.5, Pt.F, 1870-1890, p.54
C	Moncrieff Township Fluorite & Molybdenum Occurrence, No.2	fl,mo	-	-	O.D.M. - Map P.1107
D	Moncrieff Township graphite Occurrence	graphite	-	-	O.D.M. - Map P.1107
E	Moncrieff Township Sand and Gravel	sgl	-	-	O.D.M. - Map P.1107
F	Moncrieff Township Sulfide Occurrence No.7	py,po	-	-	O.D.M. - Map P.1107
G	Moncrieff Township Sulfide Occurrence No.11	py,po	-	-	O.D.M. - Map P.1107
H	Moncrieff Township Sulfide Occurrence, No.12	py,po	-	-	O.D.M. - P.1107
I	Moncrieff Township Sulfide Occurrence, No.13	py,po	-	-	O.D.M. - P.1107
J	Moncrieff Township, Sulphide	py,po	-	-	O.D.M. - Map P.1107
K	Moncrieff Township, Sulphide	py,po	-	-	O.D.M. - Map P.1107

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L	Moncrieff Township, Sulphide Occurrence, N½, NE¼, Lot 11, Con.6	py,po	-	-	O.D.M. - Map P.1107
M	Moncrieff Township, Sulphide Occurrence, N½,NW¼, Lot 10, Con.6	py,po	-	-	O.D.M. - Map P.1107
N	Moncrieff Township, Sulphide Occurrence, N½, NW¼, Lot 7, Con.6	py,po	-	-	O.D.M. - Map P.1107
O	Moncrieff Township, Sulphide Occurrence, S½, NW¼, Lot 5, Con.6	py,po	-	-	O.D.M. - Map P.11007.

MONCRIEFF TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Beaudoin, A.											74	74							
2	Benner, R. I. (Nickel Rim Mines, Ltd., Moncrieff Syndicate)	76			68															
3	Canadian Nickel Co., Ltd.				67															
4	Chevron Standard Ltd. (Tex-Sol Explorations Ltd.)	76	75									76								
5	Christman, P.				57															
6	Condolidated Bellekeno Mines Ltd.				59								59							
7	Descarreaux & Assocs.										73									
8	Elliott, G. G.	52																		
9	Hollinger Mines Ltd.	76 77			77							77								
10	Huycke, J. G. (Bonnacord Exploration Ltd.)															73				

GDIF FORM NO. 2

5

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
11	Mining Corp. of Canada Ltd.											65	65							
12	Moncrieff Uranium Mines Ltd.	70																		
13	Northcal Oils Ltd.	59			59	59							59							
14	Oakridge Mining Corp. Ltd.	52			52	52														
15	Perrier, L.											74	74							
16	Prosco Ltd.	58																		
17	Rio Tinto Explorations Ltd.	81									81	81								
18	Southern Union Oils Ltd.				59							59								
19	Tex-Sol Explorations Ltd.									77		75	75							
20	Theriault, A.											74	74							

GDIF FORM NO. 2

MONCRIEFF TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Benner, I. R.	MR1	1968	135	75	-	2427.0	-	-
2		MR2	1968	190	60	40.0	725.0	-	-
3		MR3	1968	150	60	36.0	854.0	py	-
4		MR4	1968	315	60	62.0	767.0	py	-
5		M1	1968	135	75	28.0	2571.0	-	-
6		M2	1968	140	80	108.0	664.0	-	-
7	Canadian Nickel Co.	33312	1967	N	45	13.0	300.0	-	-
8		33313	1967	30	45	25.0	401.0	-	-
9		1	1957	20	45	-	28.0	-	-
10		1	1957	S	45	-	38.0	-	-
11	Consolidated Bellekeno	C1	1959	N	45	5.0	475.0	py,po	-
11a	Mines Ltd.	C2	1959	N	45	4.0	269.0	py	-
12		C3	1959	350	45	6.0	295.0	py,po	-
12a		C4	1959	343	45	2.0	209.0	py,po,cpy	-
13		C5	1959	350	45	20.0	233.0	py,po,cpy	-
14		C6	1959	350	45	26.0	205.0	py,po,cpy	-
14a		C7	1959	350	55	10.0	350.0	py,po,cpy	-
15		C8	1959	350	45	18.0	350.0	py,po,cpy	-
16		C9	1959	350	45	14.0	350.0	py,po	-
17		C10	1959	20	45	52.0	520	-	-
17a		C10A	1959	20	60	32.0	238.0	py,po	-
18		MON1-1-77	1977	143	50	10.0	300.0	py,po	-
19		MON1-2-77	1977	143	50	10.0	207.5	-	-
20		MON1-3-77	1977	323	45	10.0	251.0	-	-
21	Northcal Oils Ltd.	N-1	1959	350	45	6.0	350.0	py,po	-
21a		N-3	1959	350	45	8.0	239.0	py,po,cpy	-
21b		N-4	1959	350	45	8.0	609.0	py,po,cpy	-
22		N-2	1959	350	45	12.0	446.0	py,po	-
23		N-6	1959	350	45	16.0	307.0	py,po,cpy	-
23a		N-7	1959	350	65	7.0	621.0	po,cpy	-
23b		N-9	1959	350	45	10.0	238.0	py,po	-
24		N-5	1959	350	45	20.0	216.0	py,gn	-

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
24a	Northcal Oils Ltd.	N-8	1959	350	45	30.0	45.0	-	-
24b		N-8a	1959	350	-60	31.0	225.0	py,po,cpy	-
25	Southern Union Oils Ltd.	S1	1959	50	48	25.0	308.0	py,po	-
26		S2	1959	35	45	20.5	214.0	py,po	-
27		S3	1959	35	45	42.0	244.0	py,po	-
28		S4	1959	35	45	41.0	282.0	py,po	-

GDIF FORM NO. 3

MONCRIEFF TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
7	Mousseau Tremblay Inc. Jean Descarreaux & Assocs.	Airborne Electromagnetic	?	?	?
17	Aerodat Ltd. Rio Tinto Canadian Exploration Ltd.	Airborne Electromagnetic,magnetic	125'	north-south	600'
19	Questor Surveys Ltd. Tex-Sol Explorations Ltd.	Airborne Electromagnetic	150'	north-south	600'

GDIF FORM NO. 4

10 MONCRIEF TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
4	Geochemical (Soil Sampling)	Cu,Pb,Zn	Chevron Standard Ltd.	Sudbury File: Hess - 0018

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Bonnacord Explorations Ltd.
Northern Miner May 20, 1976

Chevron Canada Ltd.
Northern Miner July 1, 1976

Nickel Rim Mines
Northern Miner Feb.23, 1967
Dec.21, 1967
Jan.5 , 1968
Jan.18, 1968
Jan.4 , 1969
July 9, 1970
Feb.15, 1973
June 27, 1974
Dec.28, 1975

Tex Sol Explorations Ltd.
Northern Miner Dec.15, 1973
July 1, 1976

GDIF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched:

BEAUDOIN, A.
BENNER, R. I.
BENNY AREA
BONNACORD EXPLORATIONS
BURNS, I.
CHEVRON, STD. LTD.
CHRISTMAN, P.
CONSOLIDATED BELLEKENO MS. LTD.
DESCARREAUX, J.
ELLIOTT, G. C.
HOLLINGER MINES LTD.
HUYCKE, J. F.
INCO LTD.
JEROME, A. JR.
LARCHE, J. P.
MARION LAKE
MINING CORP. OF CANADA LTD.

Index Volume	Listing:	Report Volume	Part	Page
8	BENNY AREA, Sudbury Dist.			
	Summary of Field Work, 1973 by K. D. Card & D. G. Innes	MP56		111-117
	Summary of Field Work, 1974 by K. D. Card & D. G. Innes	MP59		132-138
6	CONSOLIDATED BELLEKENO MINES LTD.			
	Name changed	65	1	38
9	HOLLINGER MINES LTD.			
	Benny area, Sudbury Dist.	MP78		96
3	MARION LAKE, Moncrieff tp.			
	Copper claims near	38	7	65
1	MONCRIEFF TP., Alg.			
	Diabase dike	1		76
2	MONCRIEFF TP., Sudbury			
	Iron Ores, character	I.O.		208
	Nickel deposits	N.C.		R209
3	MONCRIEFF TP., Sudbury			
	Rocks	38	7	55
5	OAKRIDGE URANIUM MINES, LTD.			
	Change of name	60	1	46
3	OSBORNE, F. F.			
	Reports by:			
	Cartier-Stralak area	38	7	52-68
6	PROSCO LTD.			
	Incorporated	67	1	32,33

ODM GENERAL INDEX SEARCH

Words searched:

MONCRIEFF TOWNSHIP
MONCRIEFF SYNDICATE
MONCRIEFF U. MINES
NICKEL RIM MINES LTD.
NORTHCAL OILS LTD.
OAKRIDGE MINING CORP. LTD.
OBONSOING, S. MINE
OSBORNE, F. F.
PROSCO LTD.
PENIU, LTD.
PLUM U MLS
RIO TINTO EXPLS. LTD.
SOUTHERN UNION OILS
TEX-SOL EXPLS. LTD.
THERIAULT, J.

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S. B.	1974-75	Sudbury-Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1"=4 mi.
Card, K. D.	1965	Cartier Sheet	O.D.M. Map P.287	1"=2 mi.
Card, K. D., Innes, D, G.	1976	Benny Area Cartier-Carhess Lake Sheet	O.D.M. Map P.1111	1"=¼ mi.
	1974	Benny Area Hess Lake Sheet	O.D.M. Map P.949	1"=¼ mi.
	1974	Benny Area Moncrieff Creek Sheet	O.D.M. Map P.948	1"=¼ mi.
	1976	Benny Area Spanish-Johnson Lakes Sheet	O.D.M. Map P.1110	1"=¼ mi.
	1976	Benny Area Stralak-Bannerman Lake Sheet	O.D.M. Map P.1107	1"=¼ mi.
Dressler, B. O.	1983	Sudbury Mining Area Western Part	O.G.S. Map P.2602	1:50,000
	1984	Sudbury Geological Compilation Series	O.G.S. Map P.2491	1:50,000
		GEOPHYSICAL MAPS		
Gupta, V. K.	1981	Bouguer Gravity and Generalized Geology Map, Sudbury-Onaping Lake Area	O.G.S. Map P.2482	1:100,000
O.D.M.-G.S.C.	1965	Aeromagnetic Map - Glen Afton Sheet	Map 7067G	1"=4 mi.
	1965	Aeromagnetic Map - Cartier	Map 1524G	1"=1 mi.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.D.M.-G.S.C.	1965	Aeromagnetic Map Pogamasing	Map 1525G	1"=1 mi.
	1976	Uranium Reconnaissance Programs Airborne Gamma Ray Spectrometer Survey Sudbury, Ontario	O.G.S. Map 1610	1"=100,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of Energy, Mines & Resources	1967	Topographic Map - Cartier		1:50,000
	1977	Topographic Map - Pogamasing		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map Cartier	Map 5000	1:100,000
	1980	N.O.E.G.T.S. General Construction Capability Map	Map 5004	1:100,000
	1980	N.O.E.G.T. Study 94, Cartier		
		MINERAL POTENTIAL MAPS		
Innes, D. G., Jost, M.	1977	Nickel Deposits of Ontario, East Central Sheet, Districts of Thunder Bay, Algoma, Cochrane, Sudbury, Timiskaming & Nipissing	O.G.S. Map P.1062	1"=16 mi.
Meyn, H. D., Howarth, J. R.	1977	Molybdenum Deposits of Ontario East Central Sheet	O.G.S. Map P.1246	1"=16 miles
Springer, J.	1982	Mineral Potential Map of Ontario East Central Sheet	O.G.S.-OFR5327	
Springer, J.	1977	Ontario Mineral Potential Northern Part of Sudbury Part of Sudbury Sheet and Part of North Bay Sheet	Map 2393 O.G.S. Map 1512	1"=16 miles 1:250,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOCHEMICAL		
		None as of March 6, 1985		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1981	Moncrieff Township, Sudbury Data Series	O.G.S. Map P.2142	1"=¼ mile 1"=1 mile
Card, K. D., Innes, D. G.	1981	Geology of the Benny Area, District of Sudbury	O.G.S. GR206 Maps 2434, 2435	1"=½ mile
Card, K. D., Innes, D. G.	1974	Summary of Field Work, 1974	O.G.S. MP59	p.132-138
Kustra, C. R.	1976	Annual Report of the Regional and Resident Geologists	O.G.S. MP71	p.108
Milne, V. G.	1980	Summary of Field Work by the O.G.S.	O.G.S. MP96	p.136,137
Geoscience Data Centre	1976	Index to Geoscience Data Received in Assessment Work &(MEAP) Reports on File as of December, 1975	OFR5210	
O.G.S.	1983	Industrial Minerals of Northern Ontario Part 1	O.G.S.- OFR5386	
Thomson, J. E.	1960	Uranium and Thorium Deposits of the Base of the Huronian System in the District of Sudbury	O.G.S. GR1	Chart 1
		JOURNAL ARTICLES, THESES, TECHNICAL PAPERS		
Bedell, F. G.	1906	The Sudbury Mining District, Ph.D., U.K.	MP2	p.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Boyle, R. W.	1976	Mineralization Processes in Archean Greenstone and Sedimentary Belts	G.S.C. Paper 75-15	
Guthrie, H. E.	1980	Volcanic Stratigraphy of the Geneva Lake Greenstone Belt, Ontario	Ontario Theses File, Sudbury	

GDIF FORM NO.9

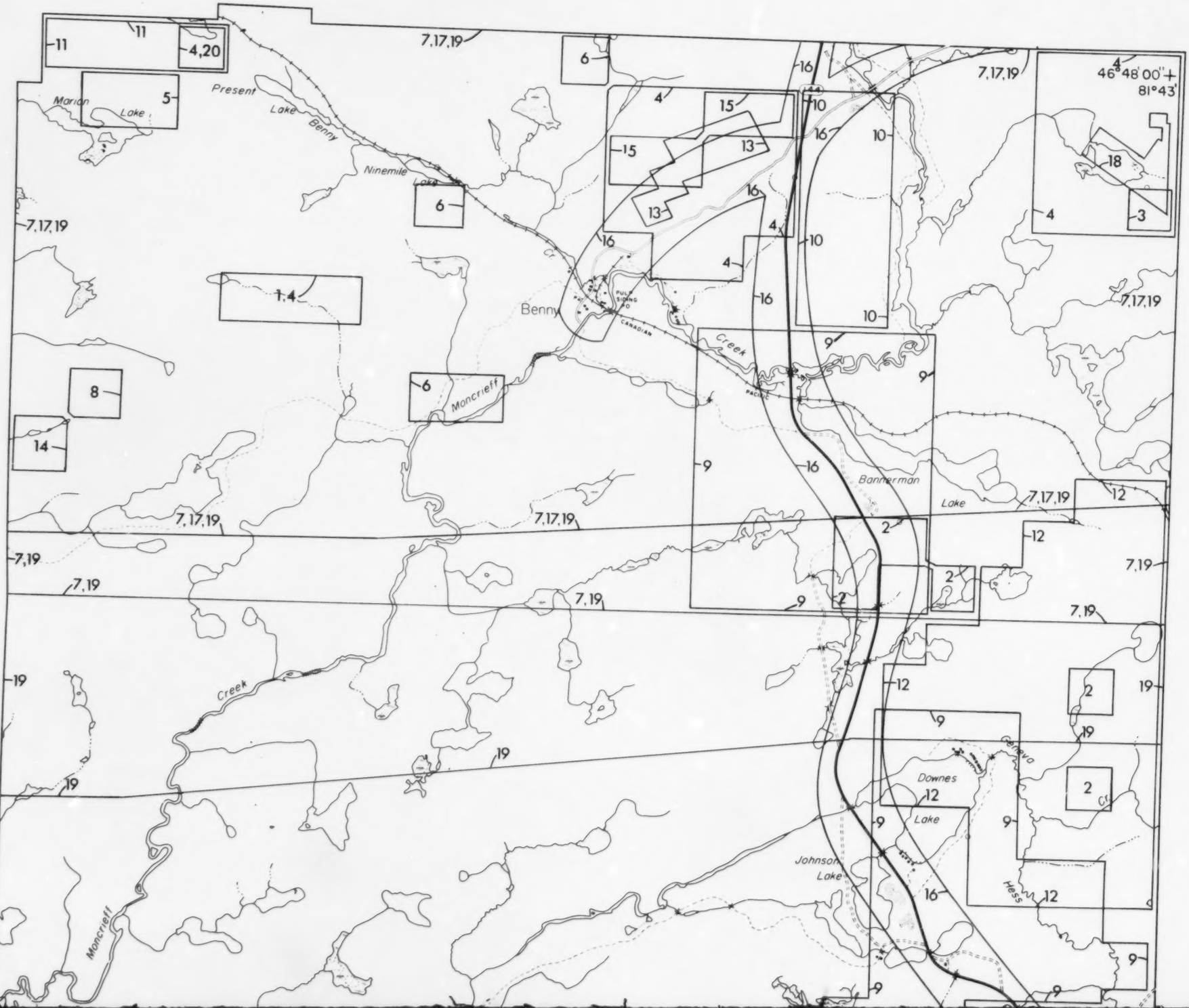
NOTES AND ADDENDA

Index to Aerial Photographs

Scale 1"=¼ mile

Year	Roll	Line	Number
1977	22	4631	1
1973	25	4633	173-179
	25	4632	65-71
	15	4631	194-200
	14	4630	242-248
1959	6	4631	60-66
	6	4630	19-26
	11	4629	171-178

GDIF FORM NO.10



Ontario

Ministry of Natural Resources

Hon. Michael Harr
Minister

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 24

(Map **1** of **2**)

MONCRIEFF TOWNS

DISTRICT OF SUDBURY

Scale 1:31 680

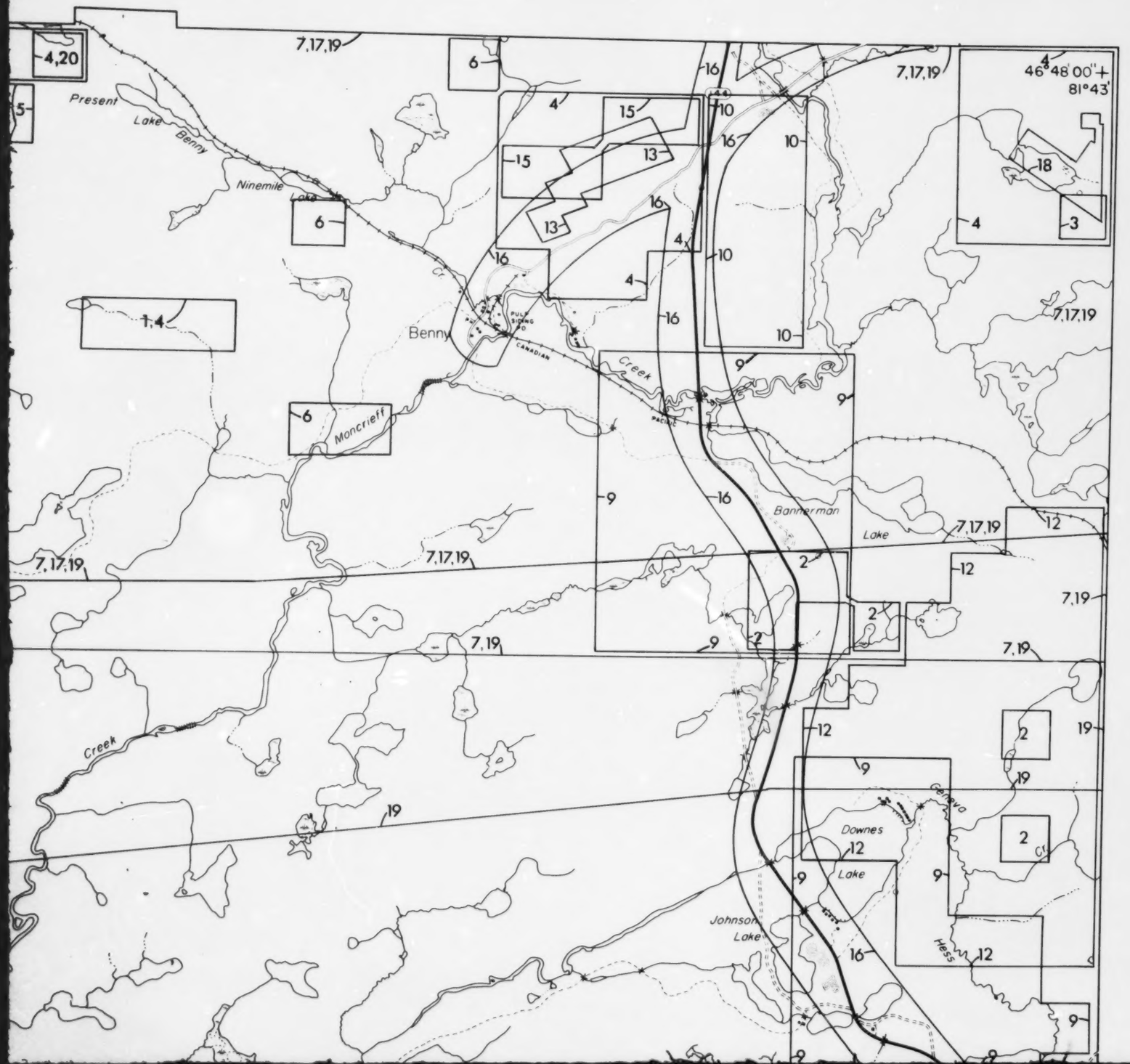
Mile 0.5 0 0.5

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area. See listing in text pages.

□ x ④ Small area of exploration.



Ministry of Natural Resources

Ontario

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 243

(Map **1** of **2**)

MONCRIEFF TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area of exploration.

Ontario

ONTARIO GEOLOGICAL SURVE

PROPERTY LOCATION MA

GEOLOGICAL DATA INVENTORY FO

(Map 1 of 2)

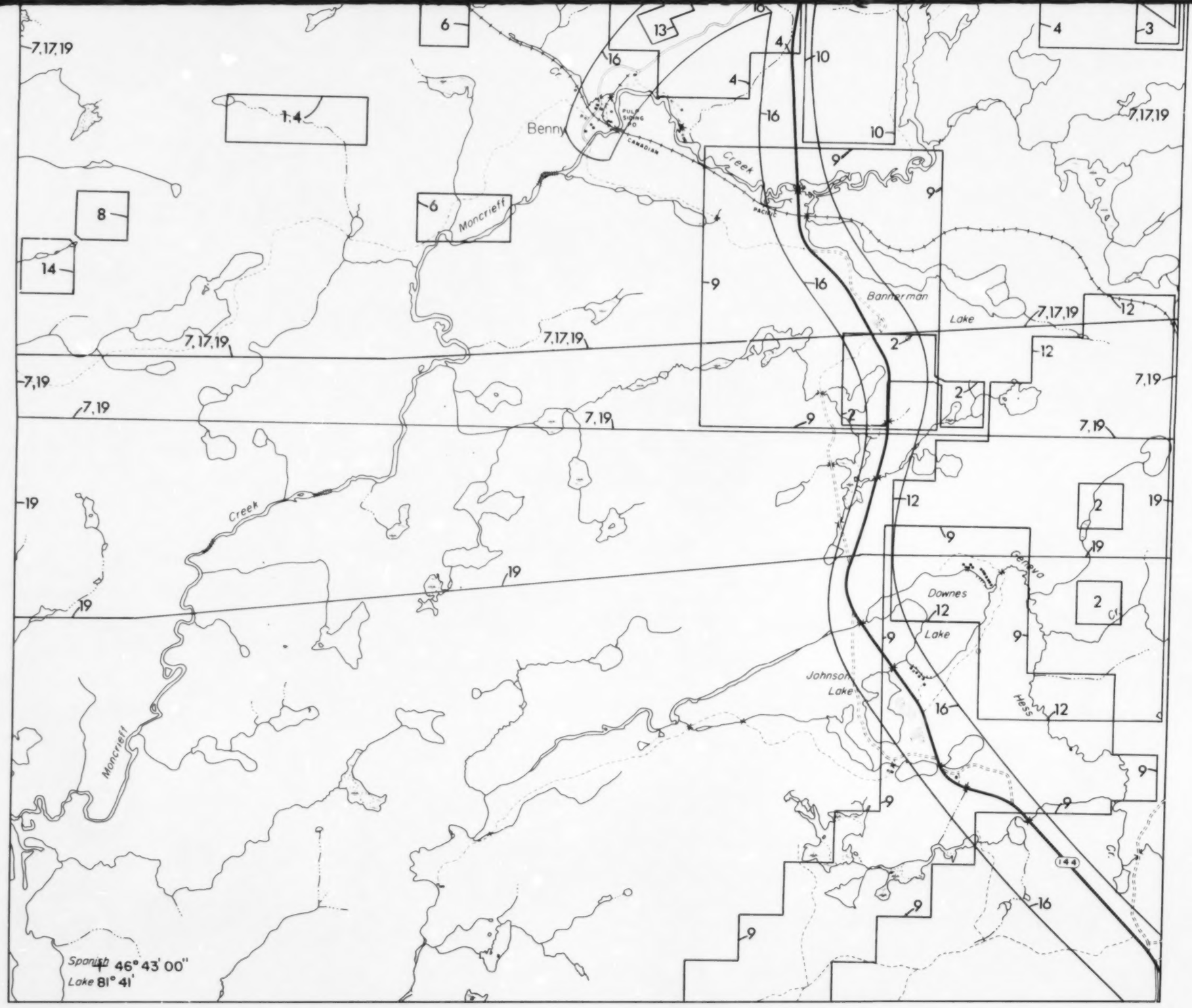
MONCRIEFF TOV

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5

Kilometre 0.5 0 0.5



EXPLORATION DATA FILE

■ ① ⑤ Reference number is always inside. See listing in text pages.

□ x ④ Small area of exploration.

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 243

(Map 1 of 2)

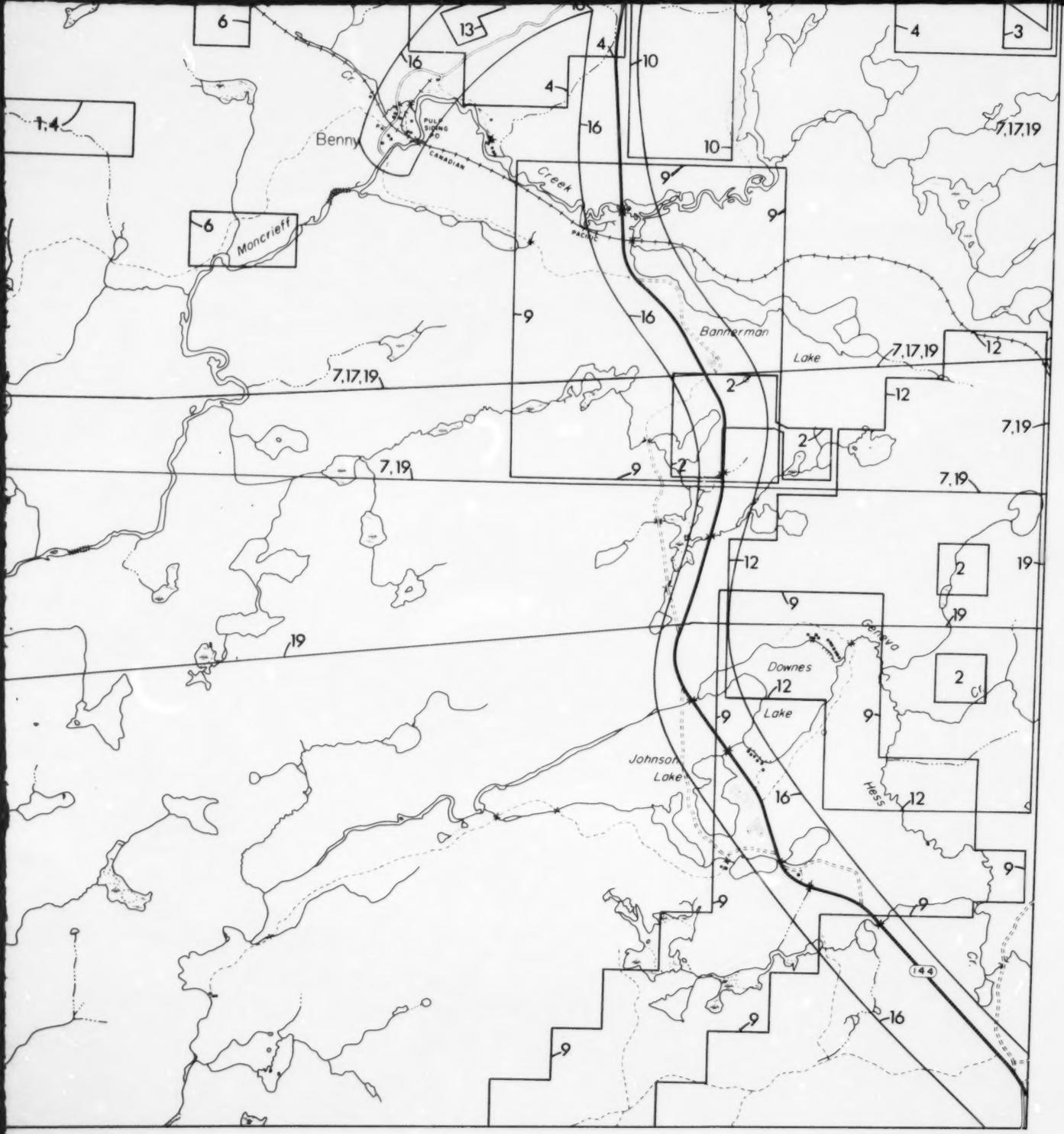
MONCRIEFF TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

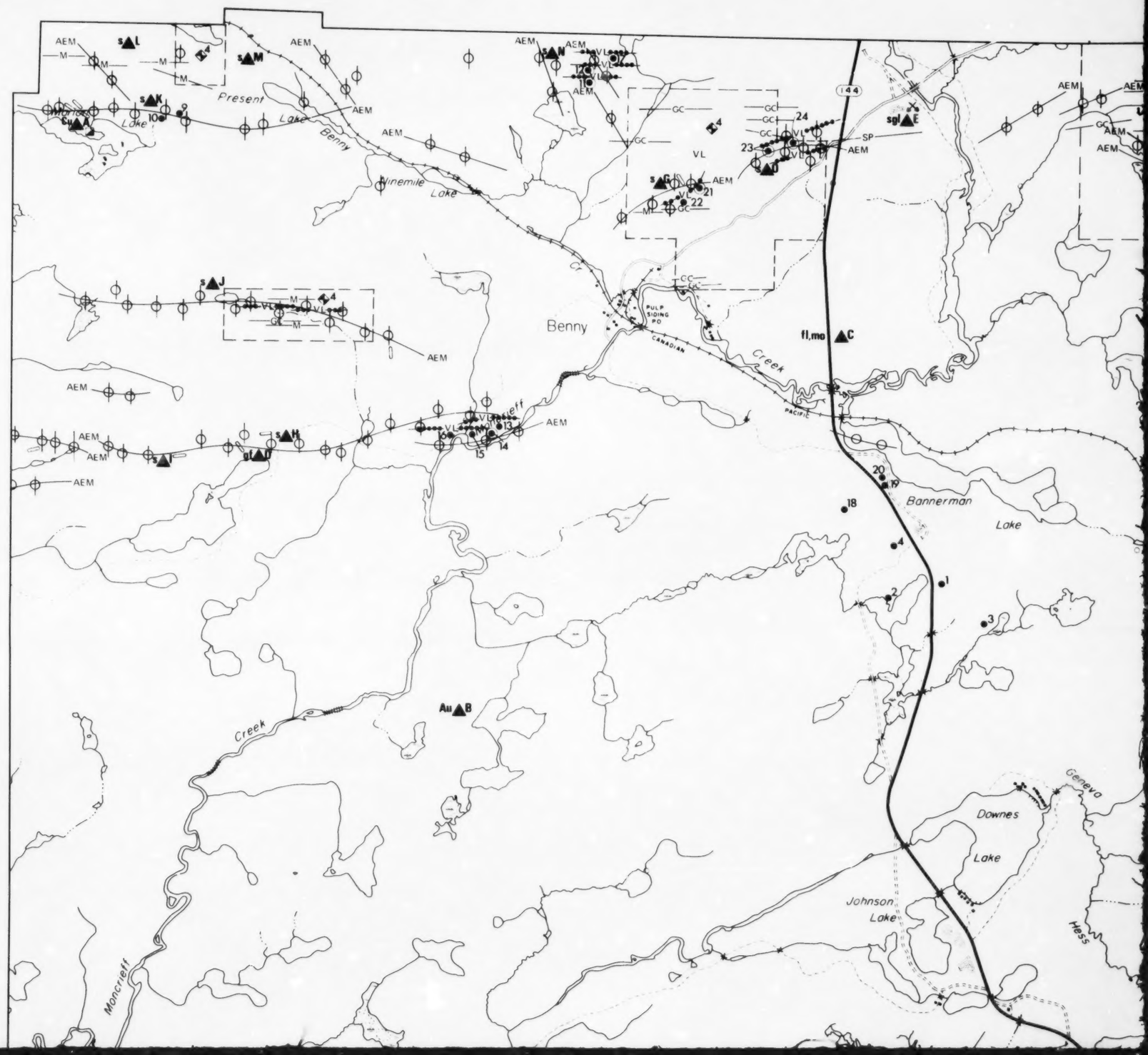
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number
- GC — Geochemical Anomalies

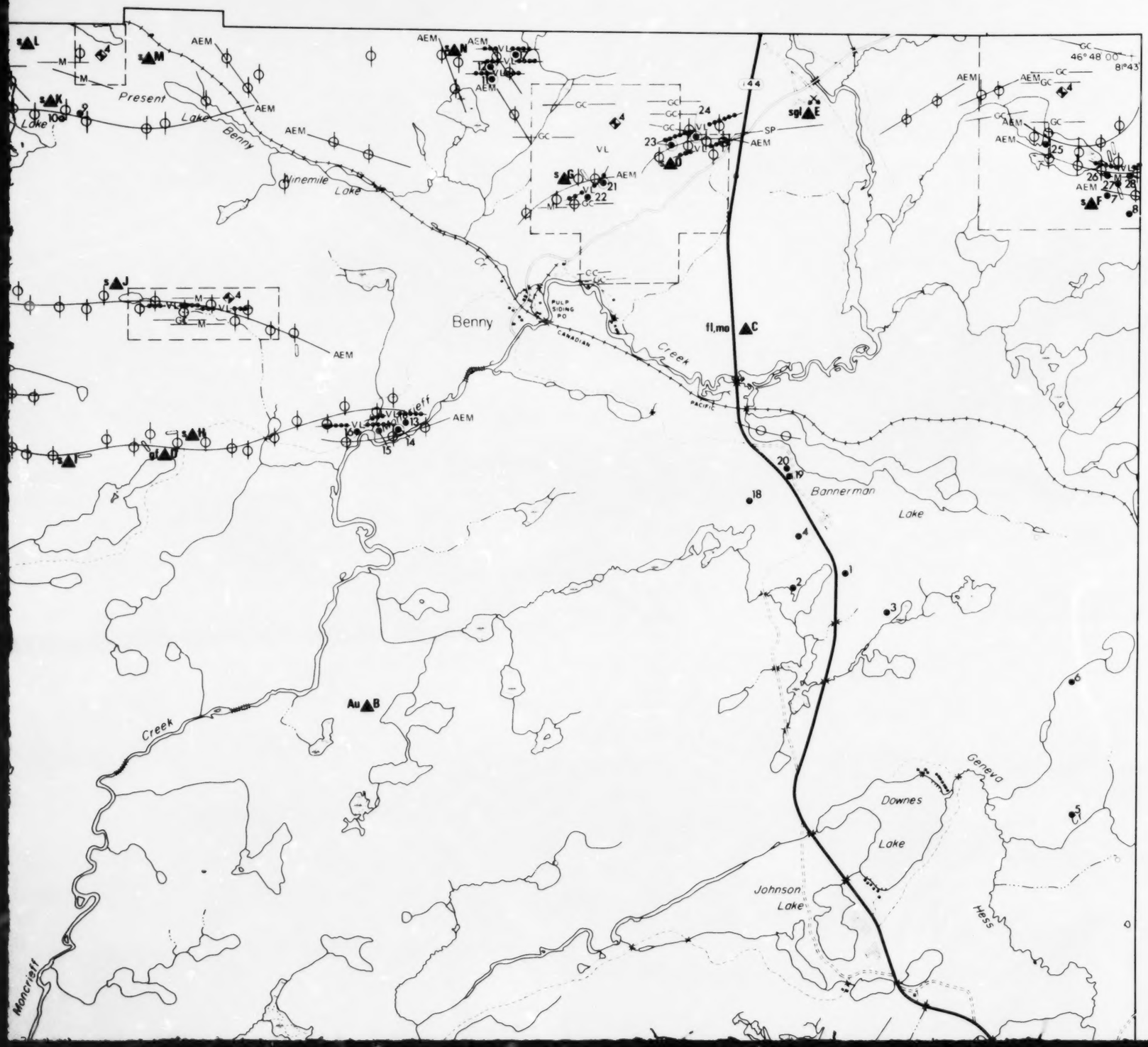
GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly
- Radiometric Site

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit





Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 243

(Map **2** of **2**)

MONCRIEFF TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter
- Shaft

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.

Age dating material sampling site, with reference number

GC — Geochemical Anomalies

GEOPHYSICAL ANOMALIES

AM — Airborne Magnetometer Anomaly

Airborne Electromagnetometer Anomaly
Length of anomaly along flight line

Airborne Electromagnetometer Anomaly.
Location of anomaly along flight line

Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

ARA — Airborne Radiometric Anomaly

M — Ground Magnetometer Anomaly

VL — Ground Electromagnetometer Anomaly
(VL - Vertical Loop; HL - Horizontal Loop;
VLF - Very low freq; Turam; JEM -
Crone EM - 16)

RA — Ground Radiometric Anomaly

IP — Induced Polarization Anomaly

SP — Self Potential Anomaly

AFMAG — Audio-frequency magnetometer anomaly
(total intensity)

R — Resistivity Anomaly

GR — Gravity Anomaly

Radiometric Site

MISCELLANEOUS DATA

Trenching, pit

Adit

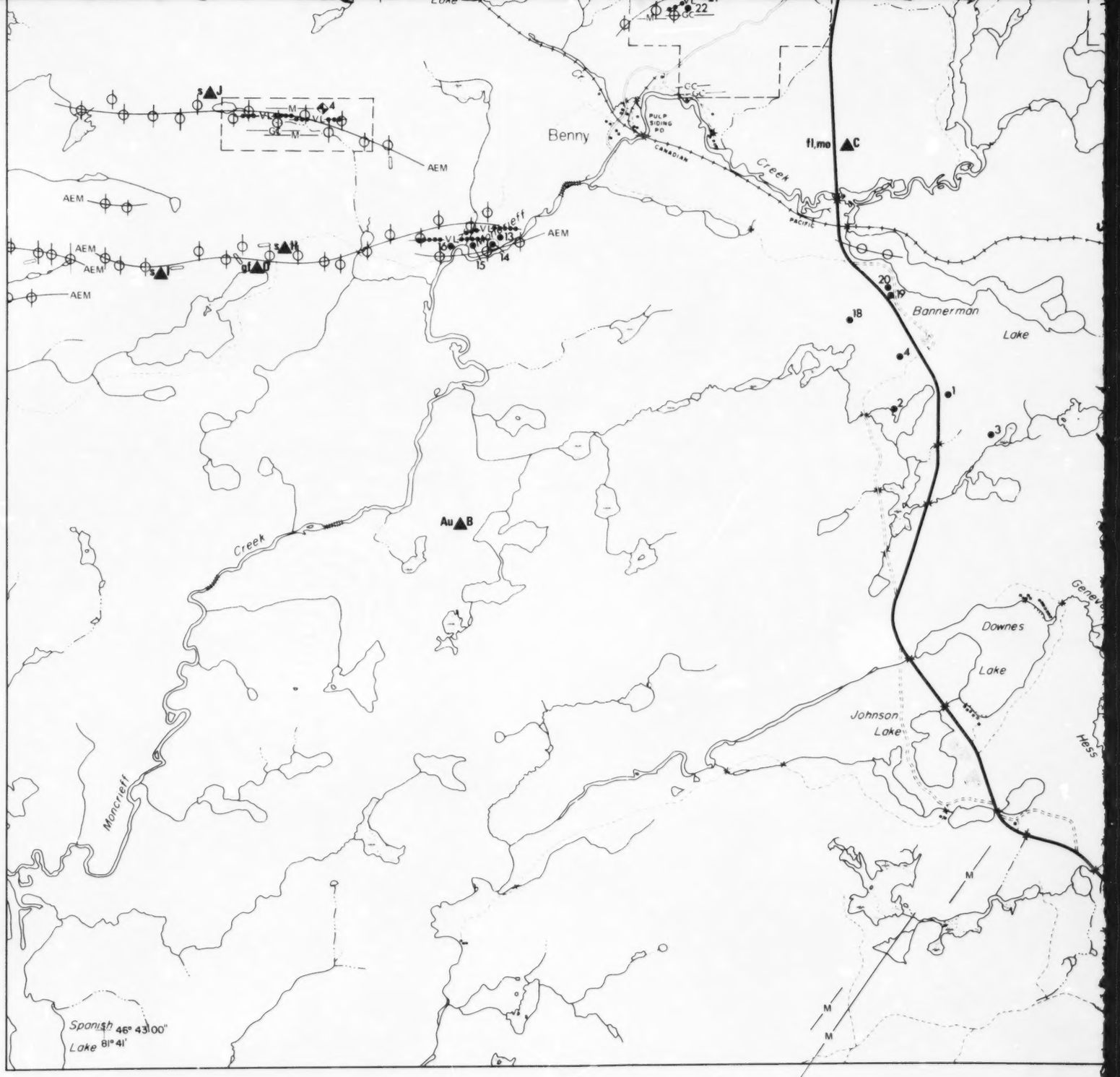
Open pit

Multiple Pits

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 243

(Map 2 of 2)

MONCRIEFF TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter
- Shaft

DRILL HOLES

- 2 — Location of single drill hole, with reference number
- 2 — Location of closely spaced group of drill holes, with reference number
- ?2 — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- 2 — Property with drill holes which have not been plotted on map, with reference number
- 2 — Reverse Circulation Drill Hole; Churn drilling, with reference number